

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

1. Claims 1-27 are rejected under 35 U.S.C. 102(a) as being anticipated by Schaar et al. ("Fully Scalable 3-D Overcomplete Wavelet Video Coding using Adaptive Motion Compensated Temporal Filtering", hereinafter referred to as "Schaar").

Regarding claim 1, Schaar discloses "transforming each of a plurality of frames into wavelet bands in one or more decomposition levels" (Schaar: page 3, section 3), "performing motion compensated temporal filtering on at least some of the bands to generate high and low pass frames, the low pass frames at each level generated using the high pass frames at that level" (Schaar: figure 3; page 4, section 3), and "compressing the high and low pass frames" (Schaar: figure 3).

Regarding claim 2, Schaar discloses "generating one or more overcomplete wavelet expansions used during the filtering" (Schaar: pages 3-4, section 3), "generating motion vectors during the filtering, compressing the motion vectors, and multiplexing the compressed high and low pass frames and vectors" (Schaar: pages 3-4, section 3).

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Regarding claim 3, Schaar discloses "shifting a band to produce shifted bands, each band shifted differently and interleaving coefficients in the band and coefficients in each of the shifted bands to produce a set of overcomplete coefficients" (Schaar: pages 3-4, section 3).

Regarding claims 4-5, note the examiners rejection for claims 1-3 and in addition, Schaar illustrates in figures 1-2 the complimentary decoder.

Regarding claims 6-27, note the examiners rejection for claims 1-5.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US-7512180	03-2009	Florencio
US-5777678	07-1998	Ogata et al.
US-6185254	02-2001	Ogata
US-6876771	04-2005	Prakash et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID CZEKAJ whose telephone number is (571)272-7327. The examiner can normally be reached on Mon-Thurs and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on (571) 272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dave Czekaj/  
Primary Examiner, Art Unit 2621